

# ABSTRACT

5 A mechanical dilatation and medicament delivery device  
for enlarging a flow passage of a vessel by dilating and  
delivering a therapeutic agent or medicament to an  
obstruction in the vessel. The present invention comprises  
a substantially cylindrically shaped expansion member and  
includes a means engaged to the expansion member for  
altering the distance between the proximal end and the  
10 distal end of the expansion member thereby transforming the  
expansion member between a diametrically contracted  
configuration to diametrically expanded configuration. A  
therapeutic agent or medicament is coated on either the  
expansion member, or incorporated into a substrate coated  
15 on the expansion member.

20 The present method comprises the steps of advancing  
the coated expansion member to the obstruction in a vessel  
and applying opposed forces on said expansion member in an  
axial direction to move the expansion member to an expanded  
configuration wherein the expansion member dilates the  
obstruction and the expansion member either passively or  
actively delivers a therapeutic agent or medicament to the  
obstruction.

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